

# INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/012853

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 138 782 A (BRUKER DALTONIK GMBH; BRUKER-SAXONIA ANALYTIK GMBH) 4 October 2001 (2001-10-04) abstract paragraph '0023! claims 16-18	1-19
X	US 6 531 302 B1 (NERENBERG MICHAEL I ET AL) 11 March 2003 (2003-03-11) abstract; claims 18,21	1-19
X	WO 03/023065 A (SYNGENTA PARTICIPATIONS AG; WANG, XUN; CHANG, HUR-SONG; PASZKOWSKI, JE) 20 March 2003 (2003-03-20) page 4, lines 1-20	16-19
	----- -/-- -----	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*G\* document member of the same patent family

Date of the actual completion of the international search

27 May 2005

Date of mailing of the international search report

07/06/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Aguilera, M

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/EP2004/012853

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>REIN ET AL: "Identifying 5-methylcytosine and related modifications in DNA genomes" NUCLEIC ACIDS RESEARCH, OXFORD UNIVERSITY PRESS, SURREY, GB, vol. 26, no. 10, 1998, pages 2255-2264, XP002143106 ISSN: 0305-1048 the whole document</p>	16-19
X	<p>EP 1 312 685 A (NISSHINBO INDUSTRIES, INC) 21 May 2003 (2003-05-21) page 3, lines 29-36</p>	16-18
X	<p>GITAN RAAD S ET AL: "Methylation-specific oligonucleotide microarray: a new potential for high-throughput methylation analysis" GENOME RESEARCH, COLD SPRING HARBOR LABORATORY PRESS, US, vol. 12, no. 1, January 2002 (2002-01), pages 158-164, XP002208051 ISSN: 1088-9051 the whole document</p>	16-18
X	<p>US 5 871 917 A (DUFFY ET AL) 16 February 1999 (1999-02-16) column 2, lines 8-12 column 3, lines 10-33</p>	19
X	<p>WO 99/28501 A (THE SECRETARY OF STATE FOR DEFENCE; LEE, MARTIN, ALAN) 10 June 1999 (1999-06-10) page 3, lines 18-33 page 8, lines 14-17 page 8, line 33 - page 9, line 6 page 11, lines 14-22</p>	19
X	<p>EP 0 976 835 A (KEYGENE N.V) 2 February 2000 (2000-02-02) claim 17</p>	19

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/012853

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1138782	A	04-10-2001	DE 10015797 A1	04-10-2001
			EP 1138782 A2	04-10-2001
			US 2001038070 A1	08-11-2001
US 6531302	B1	11-03-2003	CA 2369148 A1	19-10-2000
			EP 1192720 A2	03-04-2002
			JP 2003510012 T	18-03-2003
			WO 0060919 A2	19-10-2000
			US 2003219804 A1	27-11-2003
WO 03023065	A	20-03-2003	WO 03023065 A1	20-03-2003
EP 1312685	A	21-05-2003	JP 2003144172 A	20-05-2003
			CA 2407575 A1	16-05-2003
			EP 1312685 A2	21-05-2003
			US 2003096289 A1	22-05-2003
US 5871917	A	16-02-1999	AU 3228597 A	05-01-1998
			WO 9745560 A1	04-12-1997
			US 6451555 B1	17-09-2002
			US 6617434 B1	09-09-2003
			US 2005100914 A1	12-05-2005
WO 9928501	A	10-06-1999	AU 744092 B2	14-02-2002
			AU 1253399 A	16-06-1999
			CA 2311931 A1	10-06-1999
			EP 1044283 A1	18-10-2000
			GB 2346695 A ,B	16-08-2000
			WO 9928501 A1	10-06-1999
			GB 2333596 A	28-07-1999
			JP 2002507719 T	12-03-2002
			NZ 504691 A	01-02-2002
EP 0976835	A	02-02-2000	EP 0976835 A1	02-02-2000
			AT 244771 T	15-07-2003
			DE 69816286 D1	14-08-2003
			DE 69816286 T2	27-05-2004
			US 6300071 B1	09-10-2001